

FORM PTO-1449

JAN 03 2001

O P E
JC55
F I C IINFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Attorney's Docket No. (Optional)
PA1604Application No.
09/670,475Applicant
Brian L. Hinman et al.

RECEIVED

Filing Date
September 26, 2000Group Art Unit
2631

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	3 1 8 0 9 3 8	4/27/65	Glomb	179	15	
1	3 5 4 8 1 2 0	12/15/70	Tarassoff	179	170.4	
	3 8 7 3 9 3 6	3/25/75	Cho	330	124 R	
	3 9 4 4 7 2 3	3/16/76	Fong	178	3	
	3 9 6 2 5 4 9	6/8/76	Zuk	179	16 EA	
	4 0 2 5 7 3 7	5/24/77	Brewer	179	175.31 R	
	4 1 3 1 8 5 9	12/26/78	Valle	330	124 R	
	4 2 4 2 5 4 2	12/30/80	Kimbrough	179	170 R	
	4 3 9 2 2 2 5	7/5/83	Wortman	370	75	
	4 4 6 2 1 0 5	7/24/84	Wagner et al.	375	8	
5	4 5 8 3 2 2 0	4/15/86	Blackburn et al.	370	74	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Shaway Z.

DATE CONSIDERED

*6/22/06*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to applicant.

JAN 03 2001

Sheet 2 of 2

FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Attorney's Docket No. (Optional)
PA1604Application No.
09/670,475Applicant
Brian L. Hinman et al.Filing Date
September 26, 2000Group Art Unit
2631 JAN 08 2001**RECEIVED**

Technology Center 2000

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number								Date	Name		Class	Subclass	Filing Date If Appropriate
<i>en</i>	4	6	3	3	4	5	9		12/30/86	Blackburn		370	13	
<i>l</i>	4	6	5	6	6	2	8		4/7/87	Tan		370	85	
<i>l</i>	4	6	6	7	3	1	9		5/19/87	Chum		370	55	
	4	7	6	6	6	0	6		8/23/88	Bardutz et al.		379	344	
	5	1	8	1	1	9	8		1/19/93	Lechleider		370	32.1	
	5	3	9	4	4	0	1		2/28/95	Patrick et al.		370	85.5	
	5	4	5	5	5	3	8		10/3/95	Kobayashi et al.		330	149	
	5	5	2	6	3	4	3		6/11/96	Aizawa et al.		370	13.1	
	5	7	2	6	9	8	0		3/10/98	Rickard		370	293	
	5	8	2	2	3	2	5		10/13/98	Segaram et al.		370	501	
<i>en</i>	5	9	7	4	1	3	7		10/26/99	Sheets et al.		379	347	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

S. Gargiulo

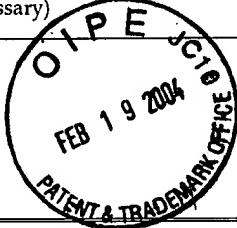
DATE CONSIDERED

6/22/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to applicant.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 6491.P041	Application Number: 09/670,475
Page 1 of 6		First Named Inventor: Brian L. Hinman	RECEIVED
		Filing Date: 9/26/2000	FEB 23 2004 Technology Center 2600

U.S. PATENT DOCUMENTS



Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
✓		4,970,722		Preschutti	11/13/1990	
		5,912,895		Terry et al.	6/15/1999	
		4,277,655		Surprenant	7/7/1981	
		4,259,642		Derby	3/31/1981	
		5,892,756		Murphy	4/6/1999	
		6,154,524		Bremer	11/28/2000	
		6,005,873		Amit	12/21/1999	
		6,091,722		Russell et al.	7/18/2000	
		6,084,931		Powell, II et al.	7/4/2000	
		5,623,485		Bi	4/22/1997	
		6,351,493	B1	Tarraf	2/26/2002	
		6,343,114	B1	Chea, Jr.	1/29/2002	
✓		6,058,162		Nelson et al.	5/2/2000	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind (If known)				

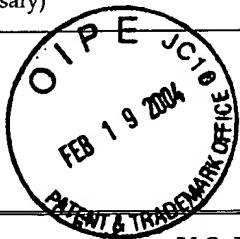
Examiner Signature	<i>S. Leroy T. In</i>	Date Considered <i>6/22/04</i>	
-----------------------	-----------------------	-----------------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 6491.P041	Application Number: 09/670,475
Page 2 of 6		First Named Inventor: Brian L. Hinman	RECEIVED
		Filing Date: 9/26/2000	FEB 23 2004



Technology Center 2000

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
✓		US 2002/0001340	A1	Shenoi et al.	1/3/2002	
		US 2002/0106076	A1	Norrell et al.	8/8/2002	
		5,929,402		Charles et al.	7/27/1999	
		6,281,454	B1	Charles et al.	8/28/2001	
		761,995		Pupin	6/7/1904	
		US 2002/0113649	A1	Tambe et al.	8/22/2002	
✓		3,848,098		Pinel	11/12/1974	
		3,476,883		Birck et al.	11/4/1969	
		1,711,653		Quarles	5/7/1929	
		6,226,322	B1	Mukherjee	5/1/2001	
		6,345,072	B1	Liu et al.	2/5/2002	
		6,507,606	B2	Shenoi et al.	1/14/2003	
✓		6,188,669	B1	Bellenger	2/13/2001	

FOREIGN PATENT DOCUMENTS

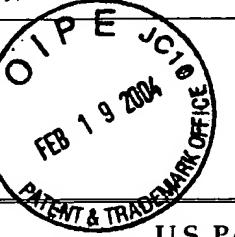
Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind (If known)				

Examiner Signature	<i>Shenoy, Z.</i>	Date Considered	6/22/04
-----------------------	-------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

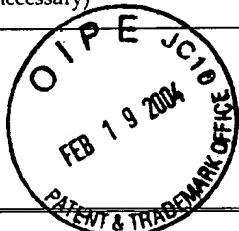
Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)			Attorney Docket No.: 6491.P041	Application Number: 09/670,475		
Page 3 of 6			First Named Inventor: Brian L. Hinman	RECEIVED		
			Filing Date: 9/26/2000	FEB 23 CANCELLATION Technology Co., Inc.		
U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
✓	6,345,071	B1	Hamdi	2/5/2002		
✓	5,909,445		Schneider	6/1/1999		
✓	6,236,714	B1	Zheng et al.	5/22/2001		
✓	6,546,100	B1	Drew	4/8/2003		
✓	6,262,972	B1	McGinn et al.	7/17/2001		
✓	5,724,344		Beck	3/3/1998		
✓	6,091,713		Lechleider et al.	7/18/2000		
✓	3,578,914		Simonelli	5/18/1971		
✓	5,790,174		Richard, III et al.	8/4/1998		
✓	5,095,528		Leslie et al.	3/10/1992		
✓	6,029,048		Treach	2/22/2000		
✓	4,768,188		Barnhart et al.	8/30/1988		
✓	4,788,657		Douglas et al.	11/29/1988		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 6491.P041	Application Number: 09/670,475
Page 4 of 6		First Named Inventor: Brian L. Hinman	RECEIVED FEB 23 2004 Technology Center 2600
		Filing Date: 9/26/2000	CANCELLED



U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (If known)			
✓		5,049,832		Cavers	9/17/1991	
✓		5,736,949		Ong et al.	4/7/1998	
✓		5,859,895		Pomp et al.	1/12/1999	
✓		5,991,311		Long et al.	11/23/1999	
✓		6,047,222		Burns et al.	4/4/2000	
✓		6,128,300		Horton	10/3/2000	
✓		6,195,414	B1	Simmons et al.	2/27/2001	
✓		6,246,695	B1	Seazholtz et al.	6/12/2001	
✓		6,263,047	B1	Randle et al.	7/17/2001	
✓		6,266,348	B1	Gross et al.	7/24/2001	
✓		6,266,395	B1	Liu et al.	7/24/2001	
✓		6,370,188	B1	Wu et al.	4/9/2002	
✓		6,236,664	B1	Erreygers	5/22/2001	

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind (If known)				
								RECEIVED FEB 23 2004

Examiner Signature	<i>S. Liu wong Z.</i>	Date Considered <i>6/22/04</i>	
-----------------------	-----------------------	-----------------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Examiner Signature	<i>Sherry Lin</i>	Date Considered <i>6/22/04</i>	
-----------------------	-------------------	-----------------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

<p>Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)</p> <p>Page 6 of 6</p> 	<p>Attorney Docket No.: 6491.P041</p> <p>First Named Inventor: Brian L. Hinman</p> <p>Filing Date: 9/26/2000</p>	<p>Application Number: 09/670,475</p> <p>RECEIVED FEB 23 2004 Technology [redacted] ED</p>
--	--	--

OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
<i>sr</i>		"Reference Data for Radio Engineers", Published by the Federal Telephone and Radio Corporation as associate of International Telephone and Telegraph Corporation, Copyright 1943, pp. 3.	
<i>sr</i>		TODD BAKER, "The Challenges of Implementing", Tektronix, October 1998 CTE Report,	
		http://www.tektronix.org/Measurement/commtest/cte_reports/27/xdsl.html?view=print&page=http://ww , pp. 5.	
<i>sr</i>		VINCE VITTORE, "TELEPHONY Making DSL go for the long run",	
		http://industryclick.com/magazinearticle.asp?magazinearticleid=7521&magazineid=7&mode=print , December 11, 2000, pp. 2.	

Examiner Signature	Susan Wang Lai	Date Considered	6/22/04
-----------------------	----------------	--------------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

RECEIVED

FEB 23 2004

Technology Center 2600